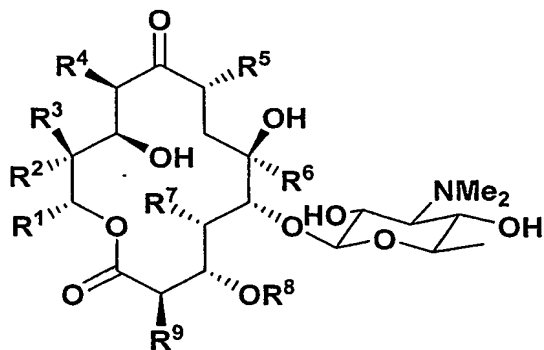
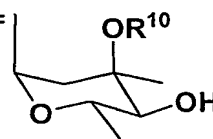


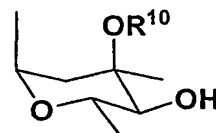
1/23

Figure 1A

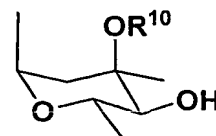
5-O-dedesosaminy-5-O-mycaminosyl-erythromycin B

 $R^1 = C_2H_5 \quad R^2 = R^4 = R^5 = R^6 = R^7 = R^9 = -CH_3 \quad R^3 = -H \quad R^8 =$


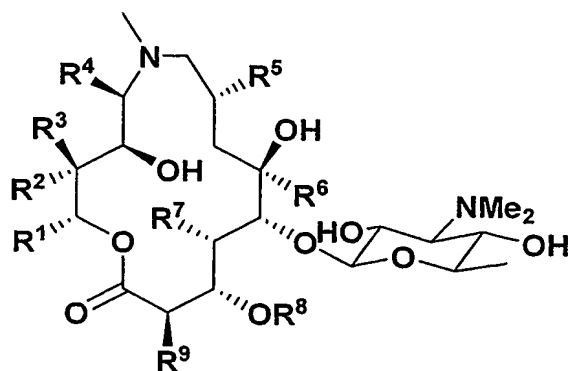
5-O-dedesosaminy-5-O-mycaminosyl-erythromycin A

 $R^1 = C_2H_5 \quad R^2 = R^4 = R^5 = R^6 = R^7 = R^9 = -CH_3 \quad R^3 = -OH \quad R^8 =$
 $R^{10} = CH_3$ 

5-O-dedesosaminy-5-O-mycaminosyl-erythromycin C

 $R^1 = C_2H_5 \quad R^2 = R^4 = R^5 = R^6 = R^7 = R^9 = -CH_3 \quad R^3 = -OH \quad R^8 =$
 $R^{10} = H$ 

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Figure 1B

5-O-dedesosaminy-5-O-mycaminosyl-azithromycin

$R^1 = C_2H_5$ $R^2 = R^4 = R^5 = R^6 = R^7 = R^9 = -CH_3$ $R^3 = -OH$ $R^8 =$

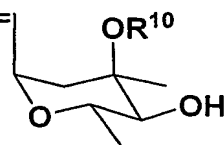


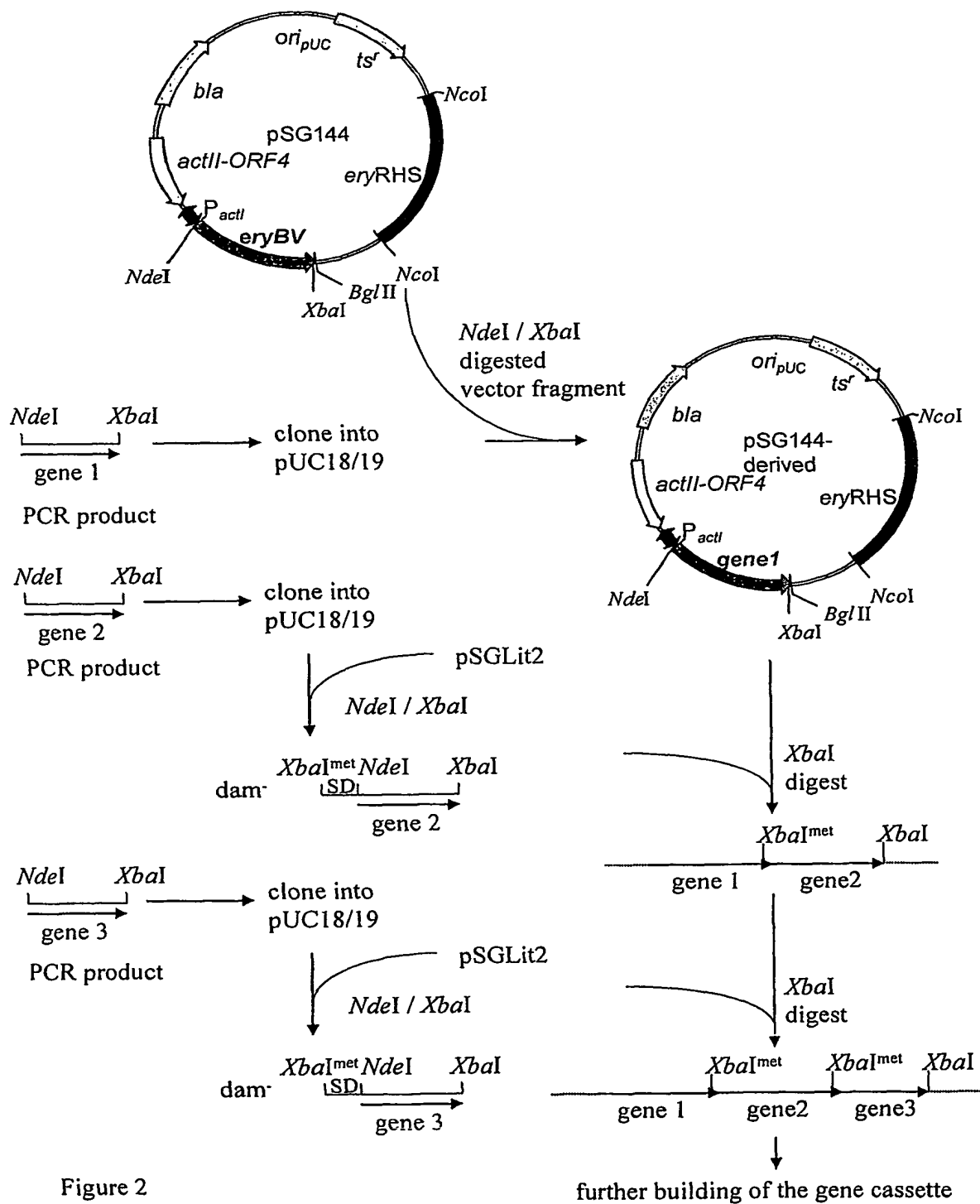
Figure 2

Figure 2

Figure 3

TylA1.pep x u08223.em_pro2

```

5
1 MND RPRRAMKG IILAGGSGTRLRPLTGTLSKQLLPVYDKPMIYYPLSVLM 50
  |||
10
1 MND RPRRAMKG IILAGGSGTRLRPLTGTLSKQLLPVYDKPMIYYPLSVLM 50
51 LAGIREIQI ISSKDHLDLFRSLLGEGDRLGLSISYAEQREPRGIAEAFLI 100
  |||
51 LAGIREIQI ISSKDHLDLFRSLLGEGDRLGLSISYAEQREPRGIAEAFLI 100
15
101 GARHIGGDDAALILGDNVFHGPFGFSSVLTGTVARLDGCELFGYPVKDAHR 150
  |||
101 GARHIGGDDAALILGDNVFHGPFGFSSVLTGTVARLDGCELFGYPVKDAHR 150
20
151 YGVGEIDSGGRLLSLEEKPRRPRSNLAVTGLYLYTNDVVEIARTISPSAR 200
  |||
151 YGVGEIDSGGRLLSLEEKPRRPLEP.GRHRLYLYTNDVVEIARTISPSAR 199
25
201 GELEITDVNKVYLEQGRARLTELGRGFAWLDMGTHDSLQAGQYVQLLEQ 250
  |||
200 GELEITDVNKVYLEQGRA.AHGAGAVVAWLDMGTHDSLQAGQYVQLLEQ 248
30
251 RQGERIACIEEIAMRMGFISAEQCYRLGQELRSSSYGSYIIDVAMRGAAA 300
  |||
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299 DSRAQ 303

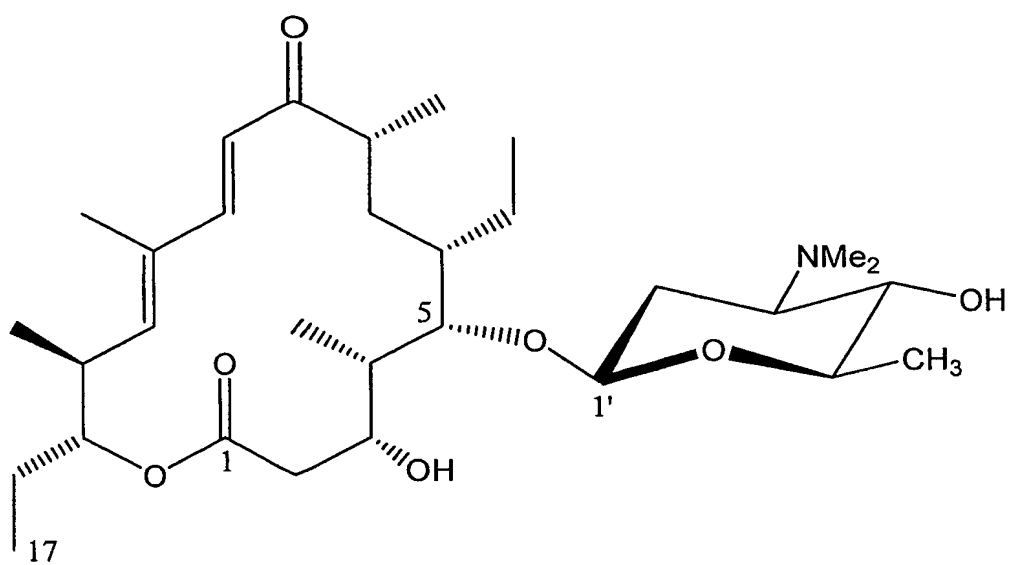
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Figure 4

TylAII.pep x u08223.em_pro2

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|||||
1 MRVLVTGGAGFIGSHFTGQLLTGAYPDLGATRTVVLDKLT YAGNPANLEH 50
0
51 VAGHPDLEFVRGDIADQALVRR LMEGVGLVVHFAAESHVDRSIESSEAFV 100
|||||
51 VAGHPDLEFVRGDIADHGWWRR LMEGVGLVVHFAAESHVDRSIESSEAFV 100
5
101 RTNVEGTRVLLQAAVDAGVGRFVHISTDEVYGSIAEGSWPEDHPLAPNSP 150
|||||
101 RTNVEGTRVLLQAAVDAGVGRFVHISTDEVYGSIAEGSWPEDHPVAPNSP 150
10
151 YAATKAASDLLALAYHRTYGLDV RVTRCSNNYGPRQYPEKAVPLFTTNLL 200
|||||
151 YAATKAASDLLALAYHRTYGLDV RVTRCSNNYGPRQYPEKAVPLFTTNLL 200
15
201 DGLPVPLYGDGGNTREWLHVDDHCRGVALVAAGGRPGVIYNIGGGTEL TN 250
|||||
201 DGLPVPLYGDGGNTREWLHVDDHCRGVALVGAGGRPGVIYNIGGGTEL TN 250
0
251 AELTDRIELCGADRSAYRRVAD RPHGDRRYSVDTTKIREELGYAPRTGI 300
|||||
251 AELTDRIELCGADRSALRRVAD RPHGDRRYSVDTTKIREELGYAPRTGI 300
0
301 TEGLAGTVAWYRDNRAWWEPLKRSPGGRELER A 333
|||||
301 TEGLAGTVAWYRDNRAWWEPLKRSPGGRELER A 333
5

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Figure 5

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Figure 6

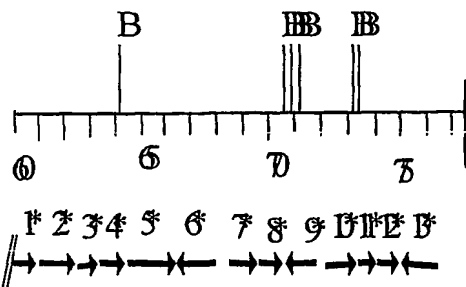
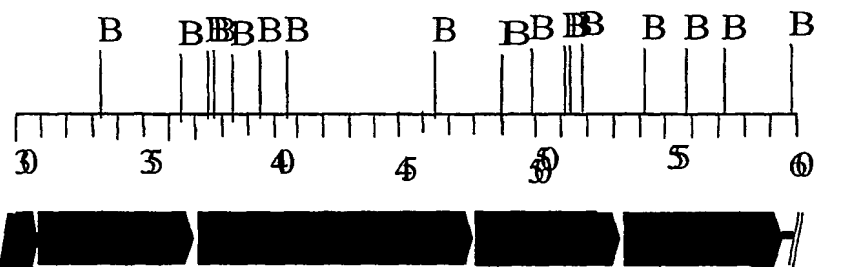
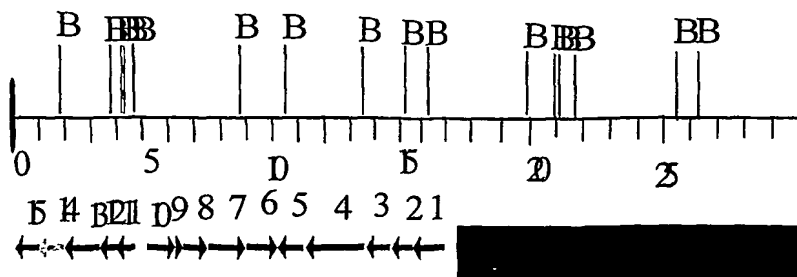


Figure 7

5	1	GGCATGCCTT	CGGGGTGTGC	GCGGCGCCT	CAGAGCGTGG	CCAGTACCTC
	51	GTGCAGGGCC	GCGATCACCT	TGTCTGTAC	GTCGGGCGCG	AGCCCCGGGT
10	101	ACATCGGCAG	CGAGAAGATC	TCGTCCGCCA	GCCGCTCCGT	CACCGGCAGC
	151	GAGCCCTTGG	CGTACCCAG	GTGCGGAAG	CCCGTCATGG	TGTGCACGGG
	201	CCACGGGTAA	CTGATGTTGA	GCGAGATCCC	GTACGACTTG	AGCGCCTCGA
15	251	TGATGTCGTC	CCGGCGCGGG	TGGCGGACGA	CGTACACGTA	ATACACGTGG
	301	TCGTTGCCCT	CGGTGACGGA	CGGCAGCACC	AGGCCGCCGG	GGCCCGTCAG
	351	GTTCGCGAGT	CCTTCGGCGT	AACGCCGGGC	GACCGCGCGC	CGGCCCTCGA
20	401	TGTAGCGGTC	GAGGCGGGTG	AGCTTGCGGC	GCAGGATCTC	CGCCTGCACC
	451	TCGTCGAGCC	GGCTGTTGTG	GCCGGGCGTC	TGCACGACGT	AGTACACGTC
25	501	CTCCATGCCG	TAGTAGCGCA	GCCGGCGCAG	CGCACGGTCG	ACGTCCGCGT
	551	CGTCGGTCAG	CACGGCCCCG	CCGTCGCCGT	ACGCACCGAG	GACCTTCGTC
	601	GGGTAGAACG	AGAAGGCGGC	GGCGTCGCCC	AGCGTGCCGG	CCAGCTCGCC
30	651	GTGGTGCGGG	GCACCGTGCG	CCTGGGCGCA	GTCCTCCAGC	ACCACCAGGC
	701	CGTGCTGCTC	GGCCAGGGCG	CGCAAGGGCG	CCATGTCGAC	GCACTGCCCCG
35	751	TACAGGTGCA	CCGGCAGCAG	GGCCTTCGTG	CGCGGGGTGA	TGACGTCCGC
	801	GACCTGGTCG	GTGTCCATGA	GGTGGTCCTC	GGCGCGGACG	TCGACGAAGA
	851	CGGGCGTGGC	ACCGGTGCCG	TCGATGGCCA	CCACCGTCGG	CGCGGCCGTG
40	901	TTGGAGACGG	TGACGACCTC	GTCCCCGGG	CCCACCCCGA	GCGCCTGCAG
	951	ACCCAGCTTG	ACGGCGTTGG	TGCCGTTGTC	GACACCGCCG	CAGTGGCGCA
45	1001	GGCCGTGGTA	GTCCGCGAAC	TCCTTCTCGA	ACCCGTCCAC	GCTGGGGCCG
	1051	AGGACCAACT	GCCCGGAGGC	GAAGACGGTC	TCGACGGCGT	CGAGGAGGTC
	1101	CGCGCGTTCG	TTCTGGTATT	CCGCCAGGTA	GTCCCAGACG	TAGGTAGTCA
50	1151	CGGAGAGCTC	AACCTCCAGA	GTGTTTCGAT	GGGGTGGTGG	GAAGCCGGTG
	1201	CGCGCGGACC	AGGTCGTGCC	AGCAGTCGCG	GACCGACTCC	CGCAGCGAAC
55	1251	GGCGCGGTGC	CCAGCCCAGC	AGGGCGCGCG	CCGCGCCGGT	GTCGACCCGC
	1301	AGCCAGTCCT	CCCGGTGCCC	GGGAGCCCGG	CCCGGAGCCG	GGCGCTCCAC
	1351	CACCCGCGCC	GGAATGCCGC	TCGCTCGAT	GAACAGGCCG	ACCAGGTGCG
60	1401	GGACGGCGAC	CGCCTCGCCC	CGCCCGATGC	CGACGGCGAC	CGGGACGGCC

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5 1451 GGTGCGCGGG CGGCGGCCAC GACGGCGTCG GCCACGTCCC GCACATCGAC
1501 GTAGTCCCGG TGC GCGCGCA GCCGGGACAG TTCCACGACG GCCTCCGCAC
1551 CCGTCCCGGC GGCCGCCAGC AGCCGCTCGG CGACCTGGCC CAGCAGACTG
1601 ATCCGCGGGG TGCCGGGGCC CGACACGTTG GACACCCGTA GCACCACACC
10 1651 GTCGACCCAC CCGCCCGAGG TGCCCGCAG CACCGCCTCG CTGGCGGCGA
1701 GCTTGCTCCT GCCGTACGCC GTGTCCGGGC GCGGTACGGC GTCGGCGCCC
1751 ACCGAACCGC CGGGCGTCAC CGGGCCGTAC TCCAGTACCG AGCCGAGGTG
15 1801 GACCAGCCGC GGCCGCGCGG ACATCAGCGC CAGCGCCTCC AGCAGGCGCA
1851 GCGTGGGCAC CGCGGTGGCG GACCACATCT GCTCGTCGGT ACGGCCCCAG
20 1901 ATGCTTCCGA CGGAGTTGAC GATCGTGTCC GGACGCTCCG CGTCCAGGGC
1951 GGCGGCCAGC GCCGCGGGAT CCGTACCGGC CAGGTCCAGG GTGACGCAGC
2001 GGTACGGCAT CGGCTCCTCG GGCGGGCGGC GGCCCAACCAC CACCACGTCA
25 2051 CGGCCCCGCG CGGCGAACGC CGCGCACACA TGCCGGCCGA CGTACCCGGC
2101 GCCGCCCAGG ACCACGACGC TGCCACTGCC ACTGCCGCGC GGCATCGGAT
30 2151 CGTTCACCAT

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Figure 8

5 11301 CGTCAGTACA GCGTGTGGGC ACACGCCACC AGGGTGCGCA GCTCGATGTT
11351 GAGGTAGTTG CCGTGCGCCA GCAGCCCGGT GAGCTGACCG AGCGACAGCC
11401 AGGCGAAGTC GTCCGGTGCG TCCTCCGGGA AGTCGTGCGG GACCTCCACG
10 11451 ATCACGTAGC GGTTCGTGGGC GTGGAAGAAG CGCCCGCCCT CCTCGGACTG
11501 GACGGCGTCG TAGCGCACGT CCTGAGGCGG CGCGGACAGC ACGTCCTCCA
11551 GGTACGGCGG GCCGGGCAGC CCCC GCGGAC CGGTGTGCTC CTGTGGCCGG
15 11601 CACTGGACCG TGGGGGCCAG CTCGGCGACG TTCAGGTGCC CGACGTCCAC
11651 CCGTGCCCGC ACGAGCGCGT GCAGCACGCC GTCGACGGAC TTGACCAGCA
20 11701 GCGCCATCAG ACCCGGCAGC CGCGGCTCGA TGAGCGGCTG CGTCCAGGAG
11751 GTGACCTCCC GGCTGCTGGC GCTGACCTCG GCGGCCATGA CCCGGAAGTG
11801 CCGCCCCTC TCGTGGGCGA TCTCGTGCGG CGTGCGGTAC CAGCCGTCCG
25 11851 CCGTCACCGT ATCGAGCGGC ACCCGGTTCT GCACCAGCTC CCGCAGGGCG
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30 11951 ACCCGGCGAG CCGAAGAAGG AGCGCAGCAC GGGGGACGGG GCGGACGCGT
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12051 ACCACGTTGT CCAGCATCAG CAGCCGGCGG AGCTGCCCCA GCGTCAGCCA
35 12101 GCGGAAGTCC TCCCCGATGT CGAGGTCGTC GTCCGCCGCC AACTCGACGA
12151 TCATGTTCCG GTTGCGTTTG GCCAGGACC AGTCCGCCTG TTCGGACTGG
40 12201 ATCGAGTCGA CCAGGACACG CGCCCGTCGC GGCCCCATGA ACAGGTCCAG
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45 12351 TTGGCCTGCA TCAGGAAGTG CAGCACCCCG TCGATCTCCC GCGCCACGAT
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50 12451 GCTCGGGCAG CCGGTCCGTA CGGACGTGCA GCCCCTCCAC GGAGAAGAAA
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12551 GCGCAGCTCC GCGAAGGGAA CGCGGGACAC GTCGAAGCGC CCCGCCCCGA
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60 12701 ACCGGGCCGG ACCGCGTCCG CACGGCGCCG CGCGGCGCCG TGCGGGGCGG

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5 12751 GGGCGGATCG CGGCGGTACG GGTTCGCGGG CGGTGTCCGC GGCGGTGCGC
12801 GGCGGGACGG GGCCGGTGCT CGTGTCCGCG GCGGTACGCG GTGGGACGGT
12851 CCCGGTGGCC GTGTCCGCGG TGGCCGTGCC GGCGAGGGCG TCGCCGATGG
10 12901 TCCGGCACAC CTCGTCCATC CGGTCGTTCA GATAGAAAGTG ACCGCCGGCG
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15 13051 GACAGTCCAG CGCACCGCCG GGCACATACG CGTACGTGCC CGCCGCCCGG
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15 14601 CTCCAGCGAC GGATGGTCCG CGACCGGGTC CAGGTTGGCG AGGTTCCCGG
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60 15751 GTCTTCGTCA T

Figure 9

5 59800 G

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10 59901 CGCGCTCGTC CTGCGCGCCG AGGCCACCGA CCCGGCCCCG TACGAGGAGC

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15 60001 GTCACGGCGA GCAGGGCCGT CGCCGACGAA GTGATCACCT CACCCGCCTT

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20 60151 GCCCTACCG CCTGGGGCGG GCCGCTGCTG CCGGCGCCGC ACGAGCGGGC

60201 GCTGCGCGAG TCCGCCGAAC GCGGGGCCCA CACACTCCTC GACGGGGCGG

25 60251 AGGCCGCCCT GGCCGCCGAC GGCACCGTCG ACCTCGTCGA CGCGTACGCC

60301 CGCAGGCTCC CCGCGCTGGT CCTCCGCGAA CAGCTCGGCG TGCCGGAGGA

60351 GCGGGCGACC GCCTTCGAGG ACGCGCTGGC CGGCTGCCGC CGCACCTGG

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50 60901 CCCGTGGCCG CGCCCGGGCC GTTCGGGCTC CCCGGCGACC TGCACTTCCG

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61101 CCGGACGGCC CGTGACCTGC CCGCCACCGC ACCGCGGAAC TGAGGAGGGA

60 61151 GTGCCCCGAT GCGTATCCTG CTGACGTCGT TCGCGCACAA CACGCACTAC

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5 61201 TACAACCTGG TCCCCCTCGG CTGGGCGCTG CGCGCCGCCG GGCACGACGT
61251 ACGGGTCGCC AGCCAGCCCT CGCTGACCGG CACCATCACC GGCTCCGGGC
61301 TGACCGCCGT CCCCCTGGGC GACGACACGG CCATCGTCGA GCTGATCACC
10 61351 GAGATCGGCG ACGACCTCGT CCTCTACCAG CAGGGCATGG ACTTCGTGGA
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60 62651 CCGGGGTGGA GATGTCCCC GACATGCTGG CCATCGCGCA GCGGCGCAAC

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5 62801 ACCAGCGGGA ACTGGACGCG GCGATCGGCC GGTTCGCCGC GCACCTGCCG
62851 TCCGGCGGGG TCGTGATCGT CGATCCCTGG TGGTTCCCGG AGACGTTTAC
10 62901 ACCGGGGTAC GTCGGCGCGA GCCTCGTCGA GGCCGAGGGC CGCACCATCG
62951 CGCGCTTCTC CCACTCCGCG CTCGAGGACG GCGCGACCCG GATCGATGTG
63001 GACTACCTCG TCGGCGTGCC GGGGGAGGGG GTGCGGCACT TGAAGGAGAC
15 63051 CCATCGGATC ACGCTTTTCG GGC GTGCGCA GTACGAGGCG GCCTTCACCG
63101 CGGCGGGGAT GTCCGTCGAG TACCTCCCGC ACGCCGCCAC CGACCGCGGA
20 63151 CTCTTCGTCG GCGTCCAGGC CTGA

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Figure 10

1 MKGIILAGGS GTRLRPLTGA LSKQLLPVYD KPMIYYPLSV LMLAGIRDIQ
51 IITSKTHLEM FRSL LGDGSR IGISVGYAEQ EEPRGIAEAF LIGEEHIGDD
101 PVALILGDNV FHGPGFSSVL ASTAARLDGC ELFGYPVKDP RRYGVGEVDA
151 EGRLVSLEEK PEKPRSHLAV TGLYFYDNGV VDIARRLTPS PRGELEITDV
201 NKVYLEQGRA RMTELGRGFA WLDMGTHSSL LQAGQYVQLL EQRQGVRI SC
251 VEEIALRMGY ISARQCHEL G RELESSSYGR YLMDVAETLM SGPAA

Figure 11

5 1 MRLLVTTGGAG FIGSHFVRQL LAGAYPDLAG ARTVVVDKLT YAGNLANLDP
51 VADHPSLEFV HADIRDAEVM SRVVRGADV VHFHAAESHVD RSIADASAFV
101 ETNVRGTQVL LQAAVEAGAG RFVHVSTDEV YGSIAEGSWR EEQPLAPNSP
0 151 YAASKAASDL LALAYHRTYG LPVVVTRCSN NYGPYQHPEK VVPLFATNLL
201 DGLTVPLYSD GGNSRDWLHV DDHCRGISLV ATRGRPGEVY HIGGGTELTN
251 RELTKRLLGL CGADASSVRH VADRPBGDLR YALDIGKITG ELGYAPRTDF
5 301 TTGLADTVRW YAENRAWWEP LKKAQEARR TD
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Figure 12

5 1 VSTPSAPPVP GAPSPAGHPD EGLWVRRYRP VRDPELRLVC FPHAGGAATS
51 FAALARGLDE TVEALAVQYP GRQDRRHEPF IPSISGLVDQ VVPEILRWAD
10 101 RPLALFGHSM GATVAFEVAR RLRGSGQASP VHLLVSGRRA PTVRRRDVAH
15 151 LLDDDALIAE IATLQGTEDA VLQDEELLRL ALPAIRNDYR AAGTYAYVPG
20 201 GALDCPVTVL TGDRDPDVPL EEARAWRELT TGPFFALHTFA GGHFYLNDRM
25 251 DEVCRTIGDA LAGTATADTA TGTVPPTAA DTSTGFPVPPR TAADTAREPV
30 301 PPRSAPAPHG AARRRADAVR PGDPVDTARR VLVSARTADS AVTPFDGISG
35 351 WLAERLRAGR FDVSRVPFAE LRGWSFHPGT GNLHHASGRF FSVEGLHVRT
40 401 DRLPERGWTQ PIIVQPEVGL LGIVAREIDG VLHFLMQAKM EPGNVNVLQV
45 451 SPTVQATRSN FTGVHRGRDI RYLDLFMGPR RARVLVDSIQ SEQADWFLAK
50 501 RNRNMIVELA ADDDLDIGED FRWLTGQLR RLLMLDNVVN MDARSILACL
55 551 PTADADASAP SPVLRSEFFGS PGAARHTTAE VLTWFTGVRA LRELQNRVP
60 601 LDTVTTADGWY RTPHEIAHES GRHFRVMAAE VSASSREVTS WTQPLIEPRL
65 651 PGLMALLVKS VDGVLHALVR ARVDVGHLNV AELAPTVQCR PQEHTGPRGL
70 701 PGPPYLEDVL SAPPQDVRYD AVQSEEGGRF FHAQNRYVIV EVPHDFPEDA
75 751 PDDFAWLSLG QLTGLLAHGN YLNIELRTL V ACAHTLY

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Figure 13

5 1 MVNDPMPRGS GSGSVVVLGG AGYVGRHVCA AFAARGRDVV VVGRRPPEEP
 51 MPYRCVTLDL AGTDPAALAA ALDAERPDTI VNSVGSIWGR TDEQMWSATA
 101 VPTLRLLEAL ALMSARPLV HLGSVLEYGP VTPGGSVGAD AVPRPDTAYG
0 151 RSKLAASEAV LRGTSGGWVD GVVLRVSNVS GPGTPRISLL GQVAERLLAA
 201 AGTGAEAVVE LSRLRAHRDY VDVRDVADAV VAAARAPAVP VAVGIGRGEA
5 251 VAVRDLVGLF IEASGIPARV VERPAPGRAP GHREDWLRVD TGAARALLGW
 301 APRRSLRESV RDCWHDLVRA HRLPTTPSKH SGG

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Figure 14

5 1 VTTYVWDYLA EYQNERADLL DAVETVFASG QLVLGPSVDG FEKEFADYHG
 51 LRHCGGVDNG TNAVKLGLQA LGVGPGEVV TVSNTAAPT V AIDGTGATP
 101 VFVDVRAEDH LMDTDQVADV ITPRTKALLP VHLYGQCVD APLRALAEQH
10 151 GLVVLEDCAQ AHGARHHGEL AGTLGDAAAF SFYPTKVLGA YGDGGAVLTD
 201 DADVDRALRR LRYYGMEVDY YVVQTPGHNS RLDEVQAEIL RRKLTRLDRY
 15 251 IEGRRAVARR YAEGLANLTG PGGLVLPSVT EGNDHVYYVY VVRHPRRDDI
 301 IEALKSYGIS LNISYPWPVH TMTGFAHLGY AKGSLP VTER LADEIFSLPM
 20 351 YPGLAPDVQD KVIAALHEVL ATL

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Figure 15

5 1 VSPAPATEDP AAAGRRLQLT RAAQWFAGTQ DDPYALVLRA EATDPAPYEE
 51 RIRAHGPLFR SDLLDTWVTA SRAVADEVIT SPAFDGLTAD GRRPGARELP
10 101 LSGTALDADR ATCARFGALT AWGGPLLAP HERALRESAE RRAHTLLDGA
 151 EAALAADGTV DLVDAYARRL PALVLREQLG VPAAAATAFE DALAGCRRTL
 201 DGALCPQLLP DAVAGVRAEA ALTAVLASAL RGTPAGRAPD AVAAARTLAV
15 251 AAAEPAATLV GNAVQELLAR PAQWAE LVRD PRLAAAVTE TLRVAPPVRL
 301 ERRVARETD IAGQRLPAGG SVVILVAVN RAPVSAGSDA STTVPHAGGR
 351 PRTSAPSVPS APFDLTRPVA APGPFGLPGD LHFRLGGPLV GTVAEAAALGA
20 401 LAARLPGLRA AGPAVRRRRS PVLHG HARLP VAVARTARDL PATAPRN

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Figure 16

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1 MRILLTSFAH NTHYYNLVPL GWALRAAGHD VRVASQPSLT GTITGSGSLTA
51 VPVGDDTAIV ELITEIGDDL VLYQQGMDFV DTRDEPLSWE HALGQQTIMS
101 AMCFSPNLNGD STIDDMVALA RSWKPDLVLW EPFTYAGPVA AHACGAAHAR
151 LLWGPDVVLN ARRQFTRLLA ERPVEQREDP VGEWLTWTLE RHGLAADADT
201 IEELFAGQWT IDPSAGSLRL PVDGEVVP MR FVPYNGASVV PAWLSEPPAR
251 PRVCVTLGVS TRETYGTDGV PFHELLAGLA DVDAEIVATL DAGQLPDAAG
301 LPGNVRVVDV VPLDALLPSC AAIVHHGGAG TCFTATVHGV PQIVVASLWD
351 APLKAHQLA E AGAGIALDPG ELGVDTLRGA VVRVLESREM AVAARRLADE
401 MLAAPTPAAL VPRLERLTAA HRR A

Figure 17

5 1 MNLEYSGDIA RLYDLVHQGK GKDYRAEAE LAALVTQRRP GARSLLDVAC
 51 GTGMHLRHLG DLFEEVAGVE MSPDMLAIAQ RRNPEAGIHR GDMRDFALGR
10 101 RFDVICMFS SIGHMRDQRE LDAAIGRFAA HLPSSGGVVIV DPWWFPETFT
 151 PGYVGASLVE AEGRTIARFS HSALEDGATR IDVDYLVGVP GEGVRHLKET
 201 HRITLFGRAQ YEAAFTAAGM SVEYLPHAAT DRGLFVGVQA

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